

Load disconnect switch according to IEC 62626-1 class 1

For safe disconnection during repair and maintenance



R. STAHL load disconnect switch according to IEC 62626-1 class 1

R. STAHL offers a wide range of safety switches (load disconnect switches), series 8146/5-V37 and 8150/5-V37. These series have been built according to IEC/EN 62626-1, class 1, which has been valid since December 2014. The standard has been established especially for safety switches that feature a forced disconnection of the electrical energy supply.

The switches are fitted into robust and corrosion-resistant enclosures made of GRP or stainless steel. All switchgear is provided with flameproof switching contacts, 3-pole or 6-pole. The product range includes switchgear for rated operational currents of 10 A up to 180 A and operating voltages of 230 V up to 690 V AC. The motor switching capacity is AC 3 and AC 23, according to IEC/EN 60947-3.

Features:

- Safe technology and easy installation.
- User-friendly — only one rotary actuator for frequency-controlled drives.
- 20 ms leading auxiliary contact for reliable motor disconnection (frequency converter operation).
- Forced opening of the main contacts to ensure highest possible reliability.
- Enclosure cover is locked in off position.
- Switching handle lockable in three positions.
- High corrosion resistance of outer components.
- Degree of protection IP66.
- Temperature range -40 °C up to +70 °C.
- For installation in Zones 1, 21 and 2, 22.

New IEC 62626-1

Encapsulated load disconnect switches

Encapsulated load disconnect switches are intended for various applications to ensure that the demands on the isolating function of electrical equipment are met - especially those on motor circuits during repair, cleaning and maintenance.



Area of application:

IEC 62626-1 applies to encapsulated load disconnect switches with a rated voltage of up to 1000 V AC for repair, maintenance or cleaning of load circuits. The devices described in the application area of this standard are derived from load disconnect switches according to IEC 60947-3.

However, the new standard IEC 62626-1 exceeds the requirements stipulated in IEC 60947-3 by far.

Classification:

Devices pursuant to this standard are divided in two classes, class 0 and class 1. Class 0 is the required minimum. Class 1 is required for rough, harsh and difficult operating conditions, e.g. for the chemical industry. All safety switches installed in hazardous areas should comply with class 1.

Load disconnect switches series 8146/5-V37 and 8150/5-V37 made by R. STAHL:

Our series 8146/5-V37 and 8150/5-V37, offers a wide range of load disconnect switches, which comply with IEC 62626-1, class 1. Your benefit: By applying R. STAHL load disconnect switches, your facilities will comply with the latest IEC requirements.